## GOVERNMENT OF MYSORE, STORES PURCHASE COMMITTEE, BANGALORE.

*No. S. P. C. 14654—88, Enc. Schedules, dated 9th March 1931.*

To

The Firms dealing in Scientific Materials.

Gentlemen,

Bacteriological Apparatus, Chemicals, etc., required for the Serum Institute.

Please be good enough to intimate your best prices and the earliest time of delivery for the materials described in the attached schedule.

2. The prices to be quoted should be for delivery f.o.r. Bangalore, and should reach the undersigned on or before the 25th March 1931.

| Sl. No. | Description of article | Cat. No. | Quantity |
|---|---|---|---|
| | *Will Corporation, New York.* | | |
| 1 | Operating Board for small animals, 34" x 11" x 2½", with adjustable automatic clamps, etc. | 1227 | 1 |
| 2 | Casserotes, porcelain No. 4, 375 cc. ... ... | 4379 | 3 |
| 3 | Graduated Cylinder 25 x ½ cc. Jena normal glass ... | 6467 | 6 |
| 4 | Dissecting forceps 115 mm. ... ... | 6767 | 6 |
| 5 | Do curved 110 mm. ... ... | 6469 | 6 |
| 6 | Do scissors, medium and fine 155 mm. ... | 6997 | 6 each |
| 7 | Burette Clamps adjustable ... ... | 4977 | 6 |
| 8 | Carbon Dioxide cylinder holder ... ... | 12340 | 1 |
| 9 | Barthel's Bunsen burner with fisntail burner ... | 4010 | 1 |
| 9a | Glass Pencil, blue, green and yellow .... ... | ... | 12 each |
| | *Baird and Tatlock, London, Ltd.* | | |
| 10 | Pipette stand, circular with procelain sole, 10" dia ... | C2180 | 1 |
| 11 | Filter stand with iron tripod rod and 3 rings ... | C2187 | 1 |
| 12 | Basins, Royal Doulton, 450 and 1000 cc. .. . | C2411 | 1 |
| 13 | Bell Jar with knob 8 x 4" ... ... | C2522 | 1 |
| 14 | Bottles N. M. with dustproof stoppers, 250 cc. ... | C2537 | 12 |
| 15 | Bottles N. M. 500 cc. stoppered, with sandblasted label for HCL.. H2SO4, NaOH, HNO3.. | C2548 | 1 each |
| 16 | Bottles for Canadabalsam .. ... | C2564 | 2 |
| 17 | Diamond Pencil for writing on glass ... ... | C 963 | 1 |
| 18 | Sample tubes with bark corks 4 x 1" and 5 x ⅝" .. | C2566 | 36 each |
| 19 | Bottles tabulated, aspirators, 15 L capacity... ... | C2620 | 1 |
| 20 | Filter paper case ... ... | C3056 | 1 |
| 21 | Funnels, from B. Fluted 6" dia ... ... | C3576 | 3 |
| 22 | Pipettes with mark, 2, 5, 10, 15, 25 and 50 cc ... | C3602 | 6 each |
| 23 | Standard pipettes 10 x 1/10 cc. ... ... | C3595 | 6 |
| 24 | Perforated porcelain tube with glass jar and cover for washing tissues. | B2272 | 1 |
| 25 | Jars for slides 4 x 1¾" ... ... | B2280 | 3 |
| 26 | Set of metal rods for making standard platinum loops ... | B2466 | 1 set |
| 27 | Dissecting set ... ... | B2496 | 1 |
| 28 | 3 way stopcock of glass tube for B2978 ... ... | ... | 2 |
| 29 | Buchner pattern funnels. 205 mm. ... ... | B3133 | 2 |
| 30 | Thermometers for incubators 0-100°C. ... .. | B3410 | 3 |
| 31 | Thermometers Bent form to read on right ... ... | B3411 | 2 |
| 32 | Carwardine's Sacharometer ... . . | B4128 | 1 |
| 33 | Stopcock on glass tube bent ... ... | ... | 6 |
| 34 | Strop for microtome knives ... ... | ... | 1 |
| 35 | Pipette for reading off the standard indicator solutions with mark at 0·2, 0·25, 0·5 cc. | 3061 | 3 |
| 36 | Museum Jars, rectangular, with flat sides front polished, 10 x 6 x 4". | B 832 | 6 |
| 36 | Museum Jars, rectangular, with flat sides front polished, 12 x 7 x 5", | B 832 | 6 |
| 37 | Museum Jars, rectangular, with flat sides front polished, 10 x 8 x 4". | B 832 | 6 |

| Sl. No. | Description of Article | Cat. No. | Quantity |
|---|---|---|---|
| 38 | Still automatic, Elect. capacity 3 lt. ... ... | B2983 | 1 |
| 39 | Steam sterilizer, automatic condencing pattern square form of copper with shelf in centre, 20 x 16 x 16. | B3230 | 1 |
| 40 | Wasserman Bath, Elec. to hold 6 racks ... ... | B3828 | 1 |
| 41 | Serum Inspissator, copper throughout, elec. heated, to hold 100 tubes, 24 x 14 x 2" | B3402 | 1 |
| | *C. S. & S. (Caul Schiechler & Schull, Germany.)* | | |
| 42 | Agar Agar filter paper 32 cms. folded ... .. | C3131 | 4 boxes |
| 43 | Filter papers, 9 cms. ... ... | C3481 | 10 pkts. |
| | *Zeiss, Jena.* | | |
| 44 | Zeiss oil immersion objective N. A. 90 apochromatic, 1-12". | ... | 2 |
| 45 | Microscopic Glass slides, x 3 x 1" hardax glass, Medium thick. | ... | 10 gross |
| | *Corning Glass Works, America.* | | |
| 46 | Flaks, F. B. Pyrex, 1 lit. ... ... | ... | 24 |
| 47 | Flasks, F. B. Pyrex, 2 lit. Ring Neck ... ... | ... | 72 |
| | *Spencer Lens, Co., Buffalo.* | | |
| 48 | Microtome, Spencer's Freezing, with one 110 mm. knife, and $CO_2$ attachment. | ... | 1 |
| 49 | Belgian hone for microtome knives, 250 x 50 mm. yellow. | 12287 | 1 |
| 50 | Glass tubing, 5 mm. .. ... | ... | 20 lbs. |
| 51 | Glass tubing ½" dia. ... ... | ... | 50 lbs. |
| 52 | Rubber tubing, 5, 6, and ⅛ dia. (MM). ... .. | Yds. | 10 each |
| | *Jena Glass Works.* | | |
| 53 | Flasks, conical, 100, 250 and 500 cc. Jena ... ... | ... | 6 each |
| 54 | Flasks, F. B. 150, 250, and 500 cc. ... ... | ... | 12 " |
| 55 | Flasks, Jena F. B. 2 lit. Ring neck ... ... | .. | 72 |
| | *Kavalier Glass Works.* | | |
| 56 | Test Tubes. 6 x 1" and 5 x 5/8" rimless ... ... | B2775 | 12 gross each. |
| 57 | Bleeding bottles, widemouthed, unstoppered, x 2 and 3 lit. | ... | 9 doz. each |
| | *List of Sugars required.* | | |
| 1 | Dextrin ... .. ... ... | 10 x 10 | grams. |
| 2 | Dulcite ... ... ... ... | 2 x 5 | " |
| 3 | Lactose ... ... ... ... | 25 x 4 | " |
| 4 | Levulose ... ... ... ... | 2 x 10 | " |
| 5 | Maltose .. ... ... ... | 10 x 5 | " |
| 6 | Mannite ... ... ... .. | 2 x 10 | " |
| 7 | Saccharose ... ... ... ... | 5 x 5 | " |
| 8 | Inuline ... ... ... ... | 2 x 5 | " |
| 9 | Galactose ... ... ... ... | 2 x 5 | " |
| 10 | Dextrose ... ... ... ... | 2 x 5 | " |
| 11 | Salicine ... .. ... ... | 2 x 5 | " |
| 12 | Rafinose .. ... .. ... | 2 x 5 | " |
| | *List of stains required.* | | |
| 1 | Fuchsine, Basic (Grubbies stains) .. .. | 25 | grs. |
| 2 | Eosine, sol in alcohol ... ... ... | 10 | " |
| 3 | Methylene Blue ... ... ... ... | 25 | " |
| 4 | Leishman's stain ... ... ... ... | 10 | " |
| 5 | Trypan Blue ... ... ... ... | 10 | " |
| 6 | Giemsas Stain ... ... ... ... | Sol. 50 | c. c, |
| 7 | Brilliant cresyle Blue ... ... ... | 10 | grs. |

*No.* 14860-61, *dated* 12*th March* 1931.

CONTRACTS PLACED BY GOVERNMENT OF MYSORE.

The following contracts were placed by the Stores Purchase Committee, Government of Mysore, during the week ending Saturday the 21st February 1931 :—

| Indent No. and name of article | Quantity | Name of firm | Value of contract |
|---|---|---|---|
| L. I. 1790. Single ended punching, shearing and angle Iron cutting machine. | 1 | Messrs. Turner Hoare & Co., Bombay. | Rs. a. p. 1,145 0 0 f. o. r. Mysore |
| Chucks, 4 jaw spiral self-centring. | 2 sets | Do .. | 334 0 0 do |
| Capola, Jackson Junior, size No. 6. melting capacity 10-15 cwts. per hour. | 1 „ | Messrs. Machine Tools (India) Ltd., Calcutta. | 285 0 0 f. o. r. Madras |
| Weighing machine, Averys in English and Indian Standards, platform 36" x 36", capacity 1 ton and 2× maunds. | 1 | Messrs. W. T. Avery, Ltd., Madras. | 640 0 0 f. o. r. Mysore |
| „ 1792. Tools and Plants for the Electrical Department. | Lot. | (1) Messrs A. Abdul Shukkoor & Brothers, Bangalore. | 496 7 6 |
| | | (2) Messrs. Abdulla Ebrahim & Co., Bangalore. | 402 12 0 |
| | | (3) Messrs. M. N. Hussain & Co., Bangalore. | 436 14 0 |
| | | (4) Messrs. W. T. Avery, Ltd., Madras. | 803 0 0 |
| „ 1733. Burma Teak in Rangoon B. B. T. L. production Indian 1st class known as "Crown Star B Quality." | 1,000 cft. | Messrs. M. Doraisamiengar & Bros., Madras. | 5,200 0 0 f. o. r. Madras Harbour. |
| E. I. 833. Meters, House Service and Power Service. | Lot. | Messrs. International General Electric Co., London. | About Rs. 5,000 |
| „ 837. Arsenic Pentoxide, 83/85 per cent granulated. | 1 ton | Messrs. B. D. Mackechnie & Co., London through the Trade Commissioner for Mysore in London. | £ 28 2 6 c. i. f. Madras |
| „ 838. Clips Crosby wire rope, Galvd. for 3/8" stranded guy wire. | 500 | Messrs. International General Electric Co., London. | $ 86·50 f. a. s. New York |
| „ 770. Weather proof sockets for Palace, Mysore Extn. | 5,000 | Do do through the Trade Commissioner for Mysore in London | $ 385·00 do |

*No.* 14796-820, *dated* 11*th March* 1931.

To

The Firms dealing in Copper Wire.

Gentlemen,

6 B. & S. Hard Drawn Bare Copper Wire-Interior Power and Lighting Works.

Please be good enough to intimate your best prices and the earliest time of delivery for the material described below.—

60,000 lbs. of No 6 B. & S. Hard Drawn Bare Copper Wire weighing about 420 lbs. per mile, 6 B. & S. size or any other size equivalent to it, 97 per cent conductivity, Matheison's standard, manufactured according to the standards of B. E. S. A. or A. I. E. E. and conforming to the specification attached hereto.

The prices to be quoted should be for delivery c.i.f. Madras and should reach the undersigned by letter or by telegram on or before the 26th March 1931.

As the material is required very urgently, no extension of time can be granted.

*Specification for Bare Copper Wire.*

The materials shall be copper of such quality and purity that when drawn it shall have the properties and characteristics herein required.

2. The wire in all shapes must be free from scale, inequalities, flaws splits and all other surface imperfections not consistent with the best commercial practice.

3. The specific gravity of copper shall be 8·89 or 8·90 at 20°C.

4. The wire shall be uniformly cylindrical with permissible variations from actual B.&S. gauge diameter as shown in the accompanying table.

5. TESTS.

(*a*) *Tensile Test.*—The wire shall be so drawn that its tensile strength and elongation shall be at least equal to the value stated in the accompanying table. Tensile tests shall be made upon fair samples and the elongation shall be determined as the permanent increase in length, due to the breaking of the wire in tension, measured between bench marks placed upon the wire originally 10" apart. The fracture shall be between the bench marks and not closer than one inch to either mark. If upon testing a sample from any coil of wire, the results are found to be below the values stated in the table, tests upon two additional samples shall be made, and the average of the three tests shall determine acceptance or rejection of the coil.

(*b*) *Lapping Test.*—The test sample shall be closely lapped six times round a wire of its own diameter, unlapped and again closely lapped six times round a wire of its own diameter, in the same direction as the first lapping without breaking.

(*c*) *Electrical Test.*—Electrical conductivity shall be determined upon fair samples by resistance measurements at a temperature of 20°C (68°F.)

The wire shall not exceed the following limits :—

For diameters 0·324 to 0·102 inch, 899·3 pounds per mile-ohm at 20°C. equal to 97 per cent Matheission's standard.

5. All tests shall be performed at the place of manufacture and copies of test reports duly signed by responsible officers of the manufacturing company shall be submitted to us when supplying the wires.

5. The wire shall be well protected against damage in ordinary handling and shipping and be supplied in suitable burlapped coils.

Guaranteed deliveries must be stated for commencing and completing despatch.

*Table or Bare Copper Wire.*

| | | | |
|---|---|---|---|
| 1 | Size of wire in B. & S. gauge ... | ... | No. 6 |
| 2 | Diameter of wire inches ... | .. | ·1620 |
| | allowable variation in per cent either way ... | ... | ·75 |
| 3 | Area in circular mils ... | ... | 26.240 |
| 4 | Tensile strength pounds per square inch .. | ... | 61,500 |
| 5 | Per cent elongation in 10" ... | ... | 1·6 |
| | Quantity of material required ... | ... | 60,000 lbs. |

*No. S. P. C.* 14780-90, *dated* 11*th March* 1931.

To

THE FIRMS DEALING IN SCIENTIFIC MATERIAL.

Gentlemen,

Please be good enough to intimate your best prices and the earliest time of delivery for the materials described below :—

"LA MOTTE'S CALORIMETRIC HYDROGEN ION CONCENTRATION SET".

The prices to be quoted should be for delivery f.o.r. Bangalore City and should reach the undersigned on or before the 25*th March* 1931.

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*No. S. P. C.* 14904-24, *dated* 13*th March* 1931.

To

The Firms dealing in Pipes and Pipe specials.

Gentlemen,

Materials required for water supply to Northern Extension and Kuripalya at Tumkur.

Please intimate your best prices for the following materials delivered f.o.r. Tumkur and the earliest time of delivery for the same :—

| | | | |
|---|---|---|---|
| (1) | 3" stop valve with tail pieces (right hand) ... | ... | 3 |
| (2) | 3" C. I. Reflex valve with tail pieces ... ... | ... | 1 |
| (3) | 2" Air valve single ball ... ... ... | ... | 2 |

Your quotations should reach the undersigned not later than the 25th March 1931. Sketches and complete details of the valves offered should be furnished.

Yours faithfully,

M. S. RAMCHENDRA RAO,
*Secretary,*
*Stores Purchase Committee.*